

Comparisons of Job Characteristics

Focus Occupation: Power Plant Operators (51-8013)

Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Power Plant Operators (51-8013)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	17.1	12.8	<<	Extensive education and/or training may be required
Design	5.2	13.2	5.8	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	12.7	9.7	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	12.2	9.8	<	Expanded education and/or training may be required
Physics	4.3	10.1	9.3	0	Current knowledge level may be sufficient
Telecommunications	3.9	10.0	4.5	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	9.3	8.4	<	Expanded education and/or training may be required
Building and Construction	4.0	8.4	4.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Power Plant Operators (51-8013)

Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Equipment Maintenance	3.5	11.4	8.5	<<	Extensive development of skills in this area may be required

Repairing	3.4	11.1	7.9	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	10.7	10.0	0	Current skill level may be sufficient
Quality Control Analysis	5.9	10.2	10.6	0	Current skill level may be sufficient
Operation Monitoring	6.6	10.0	12.7	>	Skill level is likely sufficient
Equipment Selection	3.3	5.6	6.2	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 85

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	10.3	9.7	0	Current ability level may be sufficient
Visualization	7.5	10.1	7.7	<<	Extensive improvement in abilities may be required
Control Precision	6.6	10.0	9.2	0	Current ability level may be sufficient
Selective Attention	8.7	10.0	10.8	0	Current ability level may be sufficient
Finger Dexterity	7.6	9.8	7.4	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	9.4	7.7	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	9.3	7.3	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: Power Plant Operators (51-8013)

Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

Work Activities	Exclusivity of Activity
Clean equipment or machinery	20
Install/connect electrical equipment to power circuit	57
Maintain or repair industrial or related equipment/machinery	39
Read technical drawings	7
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use high voltage apparatus	76

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Power Plant Operators (51-8013)

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Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.